

# George Chowdhury

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## SUMMARY

IT platform engineer with 8 years and 4 months supporting regulated enterprise **infrastructure**, including more than 4 years focused on **infrastructure as code** and automation. Builds repeatable hybrid platform solutions across **VMware Cloud Foundation**, Azure Government, GCC High, AWS, Linux, and Windows Server. Creates Terraform modules, Ansible workflows, PowerShell and Python automation, CI/CD pipelines, hardened golden images, patching processes, compliance evidence collection, drift remediation, and CIS aligned baselines. Connects platform workflows with Active Directory, Entra ID, DNS, certificates, storage, backup, monitoring, networking, and identity services. Leads incident response, **on call support**, utilization reporting, runbook development, peer review, and practical mentoring. Brings disciplined delivery, clear documentation, and sound operational judgment to compliance focused platform engineering.

## EXPERIENCE

### Senior Platform Automation Engineer, Hybrid Infrastructure

January 2024 - Present

Great Lakes Secure Platforms

*Novi, MI*

Leads infrastructure as code delivery for regulated hybrid platforms across VMware private cloud, Azure Government, and AWS. Guides automation standards, controlled releases, compliance evidence, incident response, and teammate adoption while connecting platform services with identity, storage, backup, monitoring, and network systems.

- Led Terraform modules across VMware, **Azure Government**, and AWS, standardizing provisioning for regulated platform teams.
- Built Ansible workflows for Linux and **Windows Server** patching, reducing manual maintenance effort across environments.
- Maintained Git **CI/CD** pipelines with **pull requests**, peer review, testing, and controlled deployment gates.
- Engineered CIS aligned **golden images** and baselines, producing repeatable validation evidence for audit reviews.
- Automated drift detection and remediation across **Active Directory**, Entra ID, DNS, certificates, storage, backup, and monitoring.
- Guided engineers through runbooks, incident troubleshooting, on call support, and capacity recommendations for platform reliability.

### Infrastructure Automation Engineer, Enterprise Systems

September 2021 - December 2023

Motor City Enterprise Systems

*Detroit, MI*

Converted recurring systems administration work into controlled Terraform, Ansible, PowerShell, and Python workflows across VMware and cloud infrastructure. Supported compliance reporting, server build integration, release validation, incident investigation, and documented corrective action for regulated enterprise operations.

- Converted server administration tasks into **Terraform** and **Ansible** workflows across VMware and cloud infrastructure.
- Developed **PowerShell** automation for Windows Server configuration, MECM patching, and GPO validation in regulated environments.
- Created **Python** utilities for compliance evidence collection and infrastructure inventory reporting during technical audits.
- Integrated Active Directory, DNS, certificates, backup, and monitoring dependencies into automated server build workflows.
- Built CI/CD jobs with **Git** pull requests and **code review** before controlled infrastructure deployment.
- Investigated compute, identity, and network automation failures, documenting corrective actions for recurring platform incidents.

### Systems Engineer, Regulated Enterprise Platforms

July 2019 - August 2021

Midwest Infrastructure Services

*Ann Arbor, MI*

Administered **Windows Server**, **Linux**, VMware, and cloud services supporting regulated enterprise applications. Improved routine administration through PowerShell, maintained identity and policy controls, produced capacity reporting, and supported incidents involving compute, storage, DNS, certificates, and connectivity.

- Administered Windows Server and Linux systems under approved configuration and patching standards for enterprise applications.
- Introduced PowerShell health checks and configuration reports, improving visibility into routine maintenance activities.
- Supported VMware workloads and cloud services through structured troubleshooting across compute, **storage**, DNS, and **certificates**.
- Maintained Active Directory objects and Group Policy configurations through controlled changes with documented validation.
- Produced utilization and capacity reports that informed forecasting, rightsizing, and infrastructure planning discussions.
- Participated in **incident response** and **on call support**, converting findings into recurring troubleshooting guidance.

### Junior Systems Administrator, Server Operations

June 2018 - June 2019

Lakeshore Technology Operations

*Grand Rapids, MI*

Supported Windows Server and Linux operations through documented provisioning, patching, backup verification, monitoring, identity administration, and issue escalation. Built early automation and version control habits that later supported **infrastructure as code** delivery and operational documentation.

- Supported **Windows Server** and Linux provisioning, patching, backup verification, and **monitoring** through documented procedures.
- Maintained Active Directory objects and applied approved Group Policy changes, validating resulting server configurations.
- Resolved **DNS**, certificate, network connectivity, and server service issues through structured troubleshooting and escalation.
- Wrote PowerShell scripts for inventory collection and repetitive administrative checks, reducing routine manual review.
- Updated **technical documentation** and **runbooks** after maintenance activities and incident resolution efforts.
- Used Git repositories for scripts and configuration documentation, establishing version control habits for later automation work.

## PROJECTS

### Hybrid Platform Automation Modernization 📅 2026

Standardized Terraform and Ansible delivery across VMware, Azure Government, and AWS. Added controlled testing, Git review, repeatable server builds, and documented release practices for regulated platform operations.

### Compliance Evidence Automation 📅 2025

Connected Python reporting, CIS baseline validation, drift detection, and remediation workflows. Produced audit ready evidence while giving engineers clearer insight into configuration status and corrective actions.

### Capacity Reporting and Forecasting 📅 2024

Built utilization reporting across infrastructure services and translated resource trends into forecasting and rightsizing discussions. Improved planning conversations with consistent operational data.

## LEADERSHIP & AWARDS

- HashiCorp Terraform Associate recognition, earned through infrastructure as code delivery and platform automation practice.
- Microsoft Azure Administrator achievement, recognized for practical cloud administration across regulated enterprise environments.
- Peer leadership recognition for mentoring engineers through Git review, runbooks, incident response, and automation adoption.

## EDUCATION

### Bachelor's Degree in Information Technology

2018

Oakland University GPA: 3.5

Rochester, MI

*Coursework: Systems administration, networking, database management, information security*

## CERTIFICATIONS

- HashiCorp Certified: Terraform Associate 📅 2023
- Microsoft Certified: Azure Administrator Associate 📅 2024
- AWS Certified SysOps Administrator, Associate 📅 2025

## TECHNICAL SKILLS

- **Infrastructure as Code:** Terraform, Ansible, Git
- **Cloud Platforms:** Azure Government, GCC High, AWS
- **Virtualization:** VMware Cloud Foundation, VMware vSphere, private cloud
- **Operating Systems:** Linux, Windows Server, Windows Server Core
- **Scripting Languages:** PowerShell, Python, Bash
- **Configuration Management:** Ansible, MECM, Group Policy
- **Identity Services:** Active Directory, Entra ID, identity services
- **Network Services:** DNS, networking, certificates
- **CI/CD Engineering:** Git, pull requests, code review
- **Security Standards:** CIS benchmarks, CMMC Level 2, CMMC Level 3
- **Platform Operations:** patching, incident response, on call support
- **Infrastructure Services:** storage, backup, monitoring
- **Compliance Automation:** evidence collection, drift detection, remediation
- **Reporting Tools:** utilization reports, capacity forecasting, inventory reporting
- **Documentation Systems:** technical documentation, runbooks, configuration baselines

## SKILLS

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|--------------------------|----------|--------------------|--------------------|
| • Infrastructure as code | • Python | • Azure Government | • MECM             |
| • Terraform              | • Git    | • AWS              | • Active Directory |
| • Ansible                | • CI/CD  | • Windows Server   | • CIS benchmarks   |

- PowerShell
- VMware Cloud Foundation
- Linux

**PROFESSIONAL AFFILIATIONS**

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- Infrastructure automation community, sharing Terraform, Ansible, Git, and runbook practices with platform engineers.
- Cloud operations peer group, exchanging practical guidance on Azure Government, AWS, VMware, monitoring, and incident response.

**LANGUAGES**

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- English (Native)
- Bengali (Proficient)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST